

Appl. No. 10/536,474
Response to Office Action mailed May 24, 2007

Atty Dkt. No. 114208-048

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LISTING OF CLAIMS

This listing of claims replaces all prior versions and listings of claims in the patent application.

Claims 1-12 (cancelled).

Claim 13 (currently amended): A fiber-made surface fastener comprising joining faces in which a plurality of fiber-made engaging elements are provided on one surface of each flat base fabric, wherein a ratio (A/B) of an area A of a range in which sound spectrum of a peeling-off sound Fourier-transformed in a range of 100 Hz to 15000 Hz is 100 Hz to 3000 Hz to an area B of a range in which sound spectrum of a peeling-off sound Fourier-transformed in a range of 100 Hz to 15000 Hz is 3000 Hz to 15000 Hz is 0.4 or more more, and an apparent density of a base fabric of each of fiber-made surface fastener members which engage each other is 0.5 g/cm³ or less and a joining face of at least one surface fastener member is composed of a plurality of fiber-made engaging elements distributed uniformly on an entire surface.

Claim 14 (previously presented): A fiber-made surface fastener comprising joining faces in which a plurality of fiber-made engaging elements are provided on any one of front and rear surfaces of each flat base fabric, wherein a maximum component of sound spectrum of a peeling-off sound Fourier-transformed in a range of 100 Hz to 15000 Hz is a frequency lower than 3000 Hz.

Claim 15 (previously presented): A fiber-made surface fastener comprising joining faces in which a plurality of fiber-made engaging elements are provided on one surface of each flat base fabric, wherein a ratio (A/B) of an area A of a range in which sound spectrum of a peeling-off sound Fourier-transformed in a range of 100 Hz to 15000 Hz is 100 Hz to 3000 Hz to an area B of a range in which sound spectrum of a peeling-off sound Fourier-transformed in a range of 100 Hz to 15000 Hz is 3000 Hz to 15000 Hz is 0.4 or more and
a maximum component of sound spectrum of a peeling-off sound Fourier-transformed in a range of 100 Hz to 15000 Hz is a frequency lower than 3000 Hz.

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Claim 16 (currently amended): The fiber-made surface fastener according to any one of claims 13 to 15, wherein a sum of bending strength of base fabrics of male and female surface fastener members is 36 gf·cm/2.5 cm or less when each base fabric is bent at 180° in a radius of 4.0 mm mm, and a joining face of at least one surface fastener member comprises a plurality of fiber-made engaging elements distributed uniformly on an entire surface.

Claim 17 (previously presented): The fiber-made surface fastener according to claim 16, wherein the base fabric of the surface fastener has a weaving/knitting structure, and in case of the knitting structure, when a wale density and a course density are assumed to be N1 (number of wales/cm) and N2 (number of courses/cm) respectively and in case of the weaving structure, densities of warp yarns and weft yarns are assumed to be N1 (number of warp yarns/cm) and N2 (number of weft yarns/cm) respectively, a following equation (1) is satisfied:

$$5.9 \leq N1 + N2 \leq 29 \quad (1).$$

Claim 18 (cancelled).

Claim 19 (currently amended): The fiber-made surface fastener according to ~~claim 18~~ ~~claim 13~~, wherein the base fabric of the surface fastener has a weaving/knitting structure, and in case of the knitting structure, when a wale density and a course density are assumed to be N1 (number of wales/cm) and N2 (number of courses/cm) respectively and in case of the weaving structure, densities of warp yarns and weft yarns are assumed to be N1 (number of warp yarns/cm) and N2 (number of weft yarns/cm) respectively, a following equation (1) is satisfied:

$$5.9 \leq N1 + N2 \leq 29 \quad (1).$$

Claim 20 (currently amended): The fiber-made surface fastener according to ~~claim 18~~ ~~claim 13~~, wherein the base fabric of at least one of the fiber-made surface fastener members which engage each other has a multiple weaving/knitting structure produced by weaving or knitting in multiple layers via a binding yarn while a gap is provided between the respective layers and the apparent density of the base fabric of a remaining one of the surface fastener members is 0.5 g/cm³ or less and

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the one fiber-made surface fastener member having the multiple weaving/knitting structure comprises one or more layers whose apparent density is 0.5 g/cm³ or less on a rear surface of a base layer from which the engaging elements are raised.

Claim 21 (previously presented): A surface fastener attached product provided with a surface fastener according to any one of claims 13 to 15, wherein the ratio (A/B) of the area A of the range in which the sound spectrum of the peeling-off sound of the surface fastener Fourier-transformed in the range of 100 Hz to 15000 Hz is 100 Hz to 3000 Hz to the area B of the range in which the sound spectrum of the peeling-off sound of the surface fastener Fourier-transformed in the range of 100 Hz to 15000 Hz is 3000 Hz to 15000 Hz is 0.4 or more.

Claim 22 (previously presented): The surface fastener attached product according to claim 21, further comprising gap forming means for forming a gap between a rear face of a base fabric from which engaging elements of the surface fastener is raised and an attachment object.

Claim 23 (previously presented): The surface fastener attached product according to claim 22, further comprising vibration attenuating means provided between a rear face of a base fabric from which engaging elements of the surface fastener are raised and an attachment object.

Claim 24 (previously presented): The surface fastener attached product according to claim 23, wherein the vibration attenuating means is one of various kinds of fabrics whose bending strength is 0.7·gf cm/2.5 cm or less when the fabric is bent at 180° in a radius of 4 mm.

Claim 25 (previously presented): The surface fastener attached product according to claim 23, wherein the vibration attenuating means is one of various kinds of fabrics whose apparent density is 0.5 g/cm³ or less.